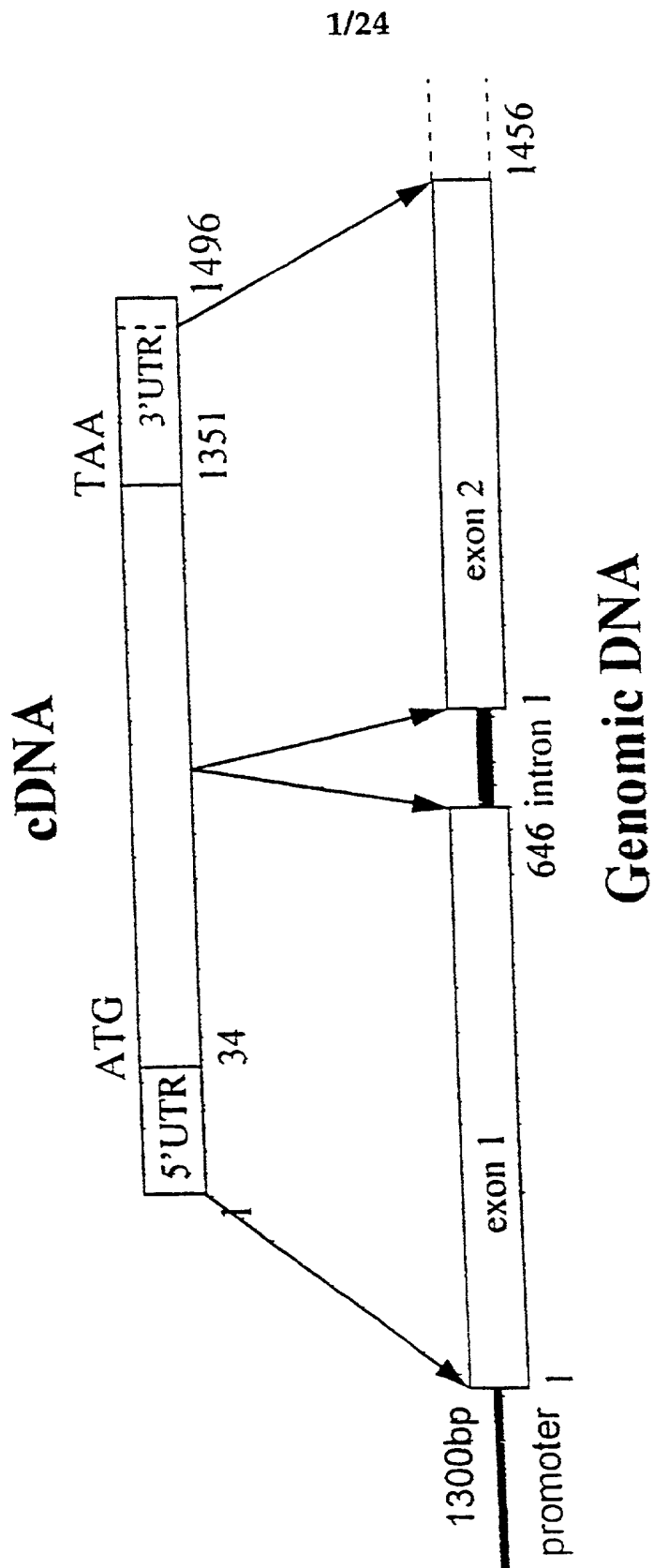


FIGURE 1



2/24FIGURE 2

	10	20	30	40	50	
MOUSE-X1.DNA	1 ATGAGGCTTC	CTGGTTGGTT	GTGGCTGAGT	TCTGCCGTCC	TCGCTGCCTG	50
HUMAN-X1.DNA	1 ATGAAGCTGG	CTAACTGGTA	CTGGCTGAGC	TCAGCTGTTC	TTGCCACTTA	50
	60	70	80	90	100	
MOUSE-X1.DNA	51 CCGAGC---G	GTGGAGGAGC	ACAACCTGAC	TGAGGGGCTG	GAGGATGCCA	100
HUMAN-X1.DNA	51 CGGTTTTTTG	GTTGTGGCAA	ACAATGAAAC	AGAGGAAATT	AAAGATGAAA	100
	110	120	130	140	150	
MOUSE-X1.DNA	101 GCGCCCGAGC	TGCCTGCCCC	GCGAGGCTGG	AGGGCAGCGG	GAGGTGCGAG	150
HUMAN-X1.DNA	101 GAGCAAAGGA	TGTCTGCCCA	GTGAGACTAG	AAAGCAGAGG	GAAATGCGAA	150
	160	170	180	190	200	
MOUSE-X1.DNA	151 GGGA---GCC	AGTGCCCTTT	CCAGCTCACC	CTGCCCACGC	TGACCATCCA	200
HUMAN-X1.DNA	151 GAGGCAGGGG	AGTGCCCTTA	CCAGGTAAGC	CTGCCCCCCT	TGACTATTCA	200
	210	220	230	240	250	
MOUSE-X1.DNA	201 GCTCCCGCGG	CAGCTTGGCA	GCATGGAGGA	GGTGCTCAAA	GAAGTGCGGA	250
HUMAN-X1.DNA	201 GCTCCCGAAG	CAATTCAGCA	GGATCGAGGA	GGTGTTCAAA	GAAGTCCAAA	250
	260	270	280	290	300	
MOUSE-X1.DNA	251 CCCTCAAGGA	AGCAGTGGAC	AGTCTGAAGA	AATCCTGCCA	GGACTGTAAG	300
HUMAN-X1.DNA	251 ACCTCAAGGA	AATCGTAAAT	AGTCTAAAGA	AATCTTGCCA	AGACTGCAAG	300
	310	320	330	340	350	
MOUSE-X1.DNA	301 TTGCAGGCTG	ACGACCATCG	AGATCCCGGC	GGGAATGGAG	GG-----	350
HUMAN-X1.DNA	301 CTGCAGGCTG	ATGACAACGG	AGACCCAGGC	AGAAACGGAC	TGTTGTTACC	350
	360	370	380	390	400	
MOUSE-X1.DNA	351 -AAT---GGA	GC---AGAGA	CAGCCGAGGA	CAGTAGAGTC	CAGGAACTGG	400
HUMAN-X1.DNA	351 CAGTACAGGA	GCCCCGGGAG	AGGTTGGTGA	TAACAGAGTT	AGAGAATTAG	400
	410	420	430	440	450	
MOUSE-X1.DNA	401 AGAGTCAGGT	GAACAAGCTG	TCCTCAGAGC	TGAAGAATGC	AAAGGACCAG	450
HUMAN-X1.DNA	401 AGAGTGAGGT	TAACAAGCTG	TCCTCTGAGC	TAAAGAATGC	CAAAGAGGAG	450
	460	470	480	490	500	
MOUSE-X1.DNA	451 ATCCAGGGGC	TGCAGGGGCG	CCTGGAGACG	CTCCATCTGG	TAAATATGAA	500
HUMAN-X1.DNA	451 ATCAATGTAC	TTCATGGTCG	CCTGGAGAAG	CTGAATCTTG	TAAATATGAA	500
	510	520	530	540	550	
MOUSE-X1.DNA	501 CAACATTGAG	AACTACGTGG	ACAACAAAGT	GGCAAATCTA	ACCGTTGTGG	550
HUMAN-X1.DNA	501 CAACATAGAA	AATTATGTTG	ACAGCAAAGT	GGCAAATCTA	ACATTGTGTTG	550
	560	570	580	590	600	
MOUSE-X1.DNA	551 TCAACAGTTT	GGATGGCAAG	TGTTCCAAGT	GTCCCAGCCA	AGAACACATG	600
HUMAN-X1.DNA	551 TCAATAGTTT	GGATGGCAAA	TGTTCAAAGT	GTCCCAGCCA	AGAACAAATA	600
	610	620	630	640	650	
MOUSE-X1.DNA	601 CAGTCACAGC	CGG.....	.....	.....	.....	650
HUMAN-X1.DNA	601 CAGTCACGTC	CAG.....	.....	.....	.....	650

3/24FIGURE 3

	10	20	30	40	50	
MOUSE-X2.DNA	1	TTCAACATCT	AATATACAAA	GATTGTTCCG	ACCACTACGT	GCTAGGAAGG 50
HUMAN-X2.DNA	1	TTCAACATCT	AATATATAAA	GATTGCTCTG	ACTACTACGC	AATAGGCAAA 50
	60	70	80	90	100	
MOUSE-X2.DNA	51	AGAAGCAGTG	GGGCCTACAG	AGTTACCCCT	GATCACAGAA	ACAGCAGCTT 100
HUMAN-X2.DNA	51	AGAAGCAGTG	AGACCTACAG	AGTTACACCT	GATCCCAAAA	ATAGTAGCTT 100
	110	120	130	140	150	
MOUSE-X2.DNA	101	TGAGGTCTAC	TGTGACATGG	AGACCATGGG	TGGAGGCTGG	ACGGTGCTGC 150
HUMAN-X2.DNA	101	TGAAGTTTAC	TGTGACATGG	AGACCATGGG	GGGAGGCTGG	ACAGTGCTGC 150
	160	170	180	190	200	
MOUSE-X2.DNA	151	AGGCTCGCCT	TGATGGCAGC	ACCAACTTCA	CCAGAGAGTG	GAAAGACTAC 200
HUMAN-X2.DNA	151	AGGCACGTCT	CGATGGGAGC	ACCAACTTCA	CCAGAACATG	GCAAGACTAC 200
	210	220	230	240	250	
MOUSE-X2.DNA	201	AAAGCCGGCT	TTGGAAACCT	TGAACGAGAA	TTTTGGTTGG	GCAACGATAA 250
HUMAN-X2.DNA	201	AAAGCAGGCT	TTGGAAACCT	CAGAAGGGAA	TTTTGGCTGG	GGAACGATAA 250
	260	270	280	290	300	
MOUSE-X2.DNA	251	AATTCATCTT	CTGACCAAGA	GTAAGGAAAT	GATTTTGAGA	ATAGATCTTG 300
HUMAN-X2.DNA	251	AATTCATCTT	CTGACCAAGA	GTAAGGAAAT	GATTCTGAGA	ATAGATCTTG 300
	310	320	330	340	350	
MOUSE-X2.DNA	301	AAGACTTTAA	TGGTCTCACA	CTTTATGCCT	TGTATGATCA	GTTTTATGTG 350
HUMAN-X2.DNA	301	AAGACTTTAA	TGGTGTGCAA	CTATATGCCT	TGTATGATCA	GTTTTATGTG 350
	360	370	380	390	400	
MOUSE-X2.DNA	351	GCTAATGAAT	TTCTCAAATA	CCGATTACAC	ATCGGTAACT	ACAATGGCAC 400
HUMAN-X2.DNA	351	GCTAATGAAT	TTCTCAAATA	TCGTTTACAC	GTTGGTAACT	ATAATGGCAC 400
	410	420	430	440	450	
MOUSE-X2.DNA	401	GGCAGGGGAT	GCCTTGCGTT	TCAGTCGACA	CTACAACCAT	GACCTGAGGT 450
HUMAN-X2.DNA	401	AGCTGGAGAT	GCATTACGTT	TCAACAAACA	TTACAACCAC	GATCTGAAGT 450
	460	470	480	490	500	
MOUSE-X2.DNA	451	TTTTCACAAAC	CCCAGACAGA	GACAACGATC	GGTACCCCTC	TGGGAACTGT 500
HUMAN-X2.DNA	451	TTTTCACCAC	TCCAGATAAA	GACAATGATC	GATATCCTTC	TGGGAACTGT 500
	510	520	530	540	550	
MOUSE-X2.DNA	501	GGGCTCTATT	ACAGCTCAGG	CTGGTGGTTT	GATTCATGTC	TCTCTGCCAA 550
HUMAN-X2.DNA	501	GGGCTGTACT	ACAGTTCAGG	CTGGTGGTTT	GATGCATGTC	TTTCTGCAAA 550
	560	570	580	590	600	
MOUSE-X2.DNA	551	CTTAAATGGC	AAATATTACC	ACCAGAAAATA	CAAAGGTGTC	CGTAATGGGA 600
HUMAN-X2.DNA	551	CTTAAATGGC	AAATATTATC	ACCAAAAATA	CAGAGGTGTC	CGTAATGGGA 600
	610	620	630	640	650	
MOUSE-X2.DNA	601	TTTTCTGGGG	CACCTGGCCT	GGTATAAACC	AGGCACAGCC	AGGTGGCTAC 650
HUMAN-X2.DNA	601	TTTTCTGGGG	TACCTGGCCT	GGTGTAAGTG	AGGCACACCC	TGGTGGCTAC 650
	660	670	680	690	700	
MOUSE-X2.DNA	651	AAGTCCTCCT	TCAAACAGGC	CAAGATGATG	ATTAGGCCCA	AGAATTTCAA 700
HUMAN-X2.DNA	651	AAGTCCTCCT	TCAAAGAGGC	TAAGATGATG	ATCAGACCCA	AGCACTTTAA 700
	710	720	730	740	750	
MOUSE-X2.DNA	701	GCCATAA...	750
HUMAN-X2.DNA	701	GCCATAA...	750

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10	20	30	40	50	60
ATCACTCTGT	TCATTCCTCC	AGGTATTCGT	TATCTAATAG	GGCAATTAAT	TCCTTCAGCA
70	80	90	100	110	120
CTTTAGAATA	TGCCTTGTTT	CATATTTTTC	ATAGCTAAAA	AATGCCTTGT	TTCATATTTT
130	140	150	160	170	180
TCATAGCTAA	AAAATGATGT	CTGACGGCTA	GGTTCCTTATG	CTACACAGCA	TTTGAAATAA
190	200	210	220	230	240
AGCTGAAAAA	CAATGCATTT	TAAAGGAGTC	CTTTGTTGTT	ATGCTGTTAT	CCAATGAACA
250	260	270	280	290	300
CTTGCAAGCA	ATTAGCAATA	TTGAGAATTA	TACATTAGAT	TTACAATTCT	TTTAATTTCT
310	320	330	340	350	360
ATTGAAACTT	TTTCTATTGC	TTGTATTACT	TGCTGTATTT	AAAAAATAAT	TGTTGGCTGG
370	380	390	400	410	420
GTGTGGTAGC	TCACGCCTGT	AATNCCAGCA	CTTTGGAATG	TCAAGGCAGG	CAGATCACTT
430	440	450	460	470	480
GAGGTCAGGA	GTTTGAGACC	AGCCTGGCCA	AACATGTGAA	ACGCTGTNTN	TATTA AAAAAT
490	500	510	520	530	540
ACAAAAATTA	GCCGGGCATG	GTGGNACATG	CCTGTAATCC	TAGNTACTTG	GGAGGCTGAG
550	560	570	580	590	600
GCAGGAGAAT	CGCTTGAACC	TGAGAGGAAG	AGGTTGCAGT	GAGCCAAGAA	TGAGCCACTG
610	620	630	640	650	660
CACTCCAGCA	TGGGTGACAG	AGAAAACTCT	GTCTCAAACA	AAAAAATAAT	AAAATTTATT
670	680	690	700	710	720
CAGTAGGNTG	GATTCTACAC	AAAGTAATCT	GTATTTGGGC	CATGATTTAA	GCACATCTGA
730	740	750	760	770	780
AGGTATATCA	CTCTTTTCAG	GCTATAATTA	TTTGGGTAAT	CTTCATTCTG	AGACAAACTT
790	800	810	820	830	840
AATCTATATC	ATTTACTTTG	CAACAGAACA	ACCCTACAGC	ATTTTGGTTC	CCAGACTAAG
850	860	870	880	890	900
GGAACATAATA	TCTATATAAT	TAAACTTGTT	CATTTATCAT	TCATGAAATA	TAAATTCCTT
910	920	930	940	950	960
GTCATTTAAA	CCGTTTAAAA	ATGTGGTAGC	ATAATGTCAC	CCCCAAAAGC	ATTCAGAAAAG
970	980	990	1000	1010	1020
CAATGTAAC	GTGAAGACCA	GGGTTTAAAG	GTAATTCATT	TATAGTTTAT	AACTCCTTAG
1030	1040	1050	1060	1070	1080
ATGTTTGATG	TTGAAAAC	CTTTAACATG	AA.....	.....	.....

3'UTR of hfg12. The A at position 1 corresponds to position 1354 on the cDNA.

FIGURE 4

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FIGURE 5

		10	20	30	40	50	
MOUSEPRO.AMI	1	RLPGATNLS	SAVLAACR-A	VEEHSLTEGL	EDASAQAAL	ARLEGSRRSE	50
HUMANPRO.AMI	1	RLPGATNLS	SAVLAATYGF	LVANSETEI	KDERAKDVE	VALERSRKSE	50
		60	70	80	90	100	
MOUSEPRO.AMI	51	-GSQCHFLT	LETLTIOLE	ELGSMEEVLR	EVRTLKEAND	SLKKSCODCK	100
HUMANPRO.AMI	51	EAGEEYVVS	LETLTIOLEK	SESRIEEVFK	EVONLKEIIN	SLKKSCODCK	100
		110	120	130	140	150	
MOUSEPRO.AMI	101	LOADDHRDPG	GNG-----GN	GAETABUSRV	QELSEQVNKI	SSELKNAHQ	150
HUMANPRO.AMI	101	LOADDNGDPG	RNGLLLPSTG	APGEVGNRV	RELESEVNKI	SSELKNAKEE	150
		160	170	180	190	200	
MOUSEPRO.AMI	151	IQGLQGRLET	LHLVNMNIE	NYVDNKVANI	TVVNSLDGK	CSKCPSEHMH	200
HUMANPRO.AMI	151	INVLRHGRLEK	LHLVNMNIE	NYVDSKVANI	TVVNSLDGK	CSKCPSEQI	200
		210	220	230	240	250	
MOUSEPRO.AMI	201	DSQPVQHLY	KDCSDHYVLE	RRSSGAYRVT	PDHRNSSFEV	YCDMETMGGG	250
HUMANPRO.AMI	201	DSQPVQHLY	KDCSDHYVLE	KRSSETYRVT	PDPKNSSFEV	YCDMETMGGG	250
		260	270	280	290	300	
MOUSEPRO.AMI	251	NTVLOARLDG	STNFTREKKE	YKAGEGNLEP	EFWLGNDKIH	LLTKSKEMIL	300
HUMANPRO.AMI	251	NTVLOARLDG	STNFTREKKE	YKAGEGNLEP	EFWLGNDKIH	LLTKSKEMIL	300
		310	320	330	340	350	
MOUSEPRO.AMI	301	RIDLEDFNGL	TLIALYDOFY	VANEFLKYRL	HIENYNGTAG	DALRESRHYN	350
HUMANPRO.AMI	301	RIDLEDFNGL	TLIALYDOFY	VANEFLKYRL	HIENYNGTAG	DALRENRHYN	350
		360	370	380	390	400	
MOUSEPRO.AMI	351	HDLRFFFTTPD	RDNDRYPSGN	DGLYYSSGWW	FLSCLSANLN	SKYYHOKYKE	400
HUMANPRO.AMI	351	HDLRFFFTTPD	RDNDRYPSGN	DGLYYSSGWW	FLSCLSANLN	SKYYHOKYKE	400
		410	420	430	440	450	
MOUSEPRO.AMI	401	VRNGIFWGTW	PGINOAQPGG	YKSSFKQAKM	MIRPKNFKP*	.....	450
HUMANPRO.AMI	401	VRNGIFWGTW	PGVSEAHPPG	YKSSFKQAKM	MIRPKNFKP*	.....	450

6/24FIGURE 6

		10	20	30	40	50	
MOUSEPRO.AMI	1	MRLPGWLWLS	SAVLAACR-A	VEEHNLTGL	EDASQAACP	ARLESGRCE	50
HUMANPRO.AMI	1	MKLANWYWLS	SAVLATYGFL	VVANNETEEI	KDERAKDVCP	VRLESRGKCE	50
		60	70	80	90	100	
MOUSEPRO.AMI	51	-GSQCPFQLT	LPTLTIQLPR	QLGSMEEVLK	EVRTLKEAVD	SLKKSCQDCK	100
HUMANPRO.AMI	51	EAGECPYQVS	LPPLTIQLPK	QFSRIEEVFK	EVQNLKEIVN	SLKKSCQDCK	100
		110	120	130	140	150	
MOUSEPRO.AMI	101	LQADDHRDPG	GNG-----GN	GAETAEDSRV	QELESQVNKL	SSELKNAKDQ	150
HUMANPRO.AMI	101	LQADDNGDPG	RNGLLLPSTG	APGEVGDNRV	RELESEVNKL	SSELKNAKEE	150
		160	170	180	190	200	
MOUSEPRO.AMI	151	IQGLQGRLET	LHLVNMNIE	NYVDNKVANL	TVVVNSLDGK	CSKCPSQEHM	200
HUMANPRO.AMI	151	INVLHGRLEK	LNLVNMNIE	NYVDSKVANL	TFVVNSLDGK	CSKCPSQEQI	200
		210	220	230	240	250	
MOUSEPRO.AMI	201	QSQPVQHLYI	KDCSDHYVLG	RRSSGAYRVT	PDHRNSSFEV	YCDMETMGGG	250
HUMANPRO.AMI	201	QSRPVQHLYI	KDCSDYYAIG	KRSSETYRVT	PDPKNSSFEV	YCDMETMGGG	250
		260	270	280	290	300	
MOUSEPRO.AMI	251	WTVLQARLDG	STNFTREWKD	YKAGFGNLER	EFWLGNDKIH	LLTKSKEMIL	300
HUMANPRO.AMI	251	WTVLQARLDG	STNFTRTWQD	YKAGFGNLRR	EFWLGNDKIH	LLTKSKEMIL	300
		310	320	330	340	350	
MOUSEPRO.AMI	301	RIDLEDFNGL	TLYALYDQFY	VANEFLKYRL	HIGNYNGTAG	DALRFSRHYN	350
HUMANPRO.AMI	301	RIDLEDFNGV	ELYALYDQFY	VANEFLKYRL	HVGNYNGTAG	DALRFNKHYN	350
		360	370	380	390	400	
MOUSEPRO.AMI	351	HDLRFFFTPD	RDNDRYPSGN	CGLYYSSGWW	FDSCLSANLN	GKYYHQKYKG	400
HUMANPRO.AMI	351	HDLKFFFTPD	KDNDRYPSGN	CGLYYSSGWW	FDACLSANLN	GKYYHQKYRG	400
		410	420	430	440	450	
MOUSEPRO.AMI	401	VRNGIFWGTW	PGINQAQPGG	YKSSFKQAKM	MIRPKNFKP*	.....	450
HUMANPRO.AMI	401	VRNGIFWGTW	PGVSEAHPPG	YKSSFKEAKM	MIRPKHFKP*	.....	450

FIGURE 7

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2
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FIGURE 8

		10	20	30	40	50		
MOUSEPRO.DNA	1	TCGGTTTGGG	TATCATGGGA	TG-GAATGAG	AAGGGA-AAG	TAGGAGCCCCG	50	
HUMANPRO.DNA	1	TAGGGTTGGA	AGCCAGGTCT	CCTGAGTATG	CGAGAATAAA	TACAGTCATG	50	
		60	70	80	90	100		
MOUSEPRO.DNA	51	AGAGTGCGGT	AAGACAA--G	GCATAAGGCG	TGTCTGACAA	ATTCTTCATA	100	
HUMANPRO.DNA	51	GAAGTGTA	AA GAGTCTGCCA	ACATTTTGAG	AATGTGAATA	GGATTTGGC-	100	
		110	120	130	140	150		
MOUSEPRO.DNA	101	CACACATTTT	CCCTTTGCAC	ATTCAGTCTG	TATAGGTTAT	TTCTATAGGA	150	
HUMANPRO.DNA	101	TA-AAATTAA	GGGGATATAC	AGAAAAGTCA	TAGGAAATCA	GGTTAAAGAC	150	
		160	170	180	190	200		
MOUSEPRO.DNA	151	GA	AAAAAAAT	ATTCAAATTC	CTTGTGCACT	G-GTAACAGG	CATGAAGGCT	200
HUMANPRO.DNA	151	ATAAATATGA	GATAGGCTAC	AGAGTGT	TTTTT	AAGTAATACA	ATAAAACATT	200
		210	220	230	240	250		
MOUSEPRO.DNA	201	CAGCAAAGCC	AATACGTGTT	ATGTCCAGTT	GGAGACAGTG	CCAGGGCCAA	250	
HUMANPRO.DNA	201	TAG--ATTT	TGCCCATGTC	A-GTCATTTT	GAAATTATTT	TTAAAGCAAA	250	
		260	270	280	290	300		
MOUSEPRO.DNA	251	CATTCCAGAC	TTCTCAGATA	GAAAGTGC	GC CTGCTGCCC	-TGCTCTGAG	300	
HUMANPRO.DNA	251	AAAACC---C	TTTTTAAACA	AGAAATCTTA	TGAGATGTCA	ATATGCAAAA	300	
		310	320	330	340	350		
MOUSEPRO.DNA	301	--AATTTGAA	GAGAGTAGTT	C----AGTTA	GAATTAAGAG	GCAGTAGAGA	350	
HUMANPRO.DNA	301	CAAATTA	AAAA GGAGGTGGTT	TCTCTAACTG	AAGCTGTTCC	TCTTCTCTGC	350	
		360	370	380	390	400		
MOUSEPRO.DNA	351	AA--AGTCTT	GGGAAATCTG	GTTAGAGA--	TATAAATATG	AGAACTGGAC	400	
HUMANPRO.DNA	351	CTTCAGCCTC	TGAAGAGAAA	GTTAGAAAAC	TATTATCATT	AATGCTACAT	400	
		410	420	430	440	450		
MOUSEPRO.DNA	401	ATGGTGGTAC	ACACCTGTGA	TCTCTGTGTT	TAGGAGGGAG	AGGCAGAGAG	450	
HUMANPRO.DNA	401	GTTTTGA-AC	AAGCTGATAT	ACCAAGTGGC	CCAGAGAGC-	AGGTAGAAGA	450	
		460	470	480	490	500		
MOUSEPRO.DNA	451	ATCAGGAGTT	CAAGGCCAGC	CTGAGCTACT	TGAGACCCAG	TCTAAATAAA	500	
HUMANPRO.DNA	451	ACCAGCG---	TGGAGACAGA	--AAGCAA--	-GAGGCCG-G	CCTGCCAGGG	500	
		510	520	530	540	550		
MOUSEPRO.DNA	501	TAAGAGATAG	ATTACAGAGT	GCCTTTAACT	AGTACAGAGA	AAGAATTTGG	550	
HUMANPRO.DNA	501	CTACCTGCAG	AA-AGAAAGG	GCAAAGATGC	TGTAGGCAAG	AGAAGTTCAG	550	
		560	570	580	590	600		
MOUSEPRO.DNA	551	GTTTATCTGT	GTCAGTTACG	CTGAAATAAT	TTTTAAGTAA	TAAAATCCCT	600	
HUMANPRO.DNA	551	GACAGACACT	GGCA--TA-G	CTCAAA-GAT	TCACATTTGA	GCAG-----C	600	
		610	620	630	640	650		
MOUSEPRO.DNA	601	TTTAATAAGA	AACCTTATGA	G-GTCAGTAT	GCACAATGAA	CTTAAGAGAG	650	
HUMANPRO.DNA	601	TGTGGAAGAT	GACAGTACAA	TTACCAAAT	GT-CGAAGGG	C--AAAGGAG	650	
		660	670	680	690	700		
MOUSEPRO.DNA	651	ACCCCCAGCT	CCTGAGCTGA	GTGATGGGGA	AGGACAGCCA	CTGCCTGTGA	700	
HUMANPRO.DNA	651	GC----AGCT	ACTGGTTT--	-TGATG---A	AAGACAATTA	TGTCCTTT--	700	
		710	720	730	740	750		
MOUSEPRO.DNA	701	TGTGTGAGTG	ACGTGCTTCC	AAGTGTTTTA	ACCACTGACG	ATTACATAGC	750	
HUMANPRO.DNA	701	TAAATGGGTC	TTAGACATTT	AGACATTTAT	AT-AC--ACT	ATGCTACGGA	750	
		760	770	780	790	800		
MOUSEPRO.DNA	751	CTGCACAGTC	AGGAGAAAAC	AGCCGTATTC	TCTGCCAGTT	CTCTTCCCTT	800	
HUMANPRO.DNA	751	CAAAGGAAT-	AGAAAGTAGC	A-CTTTTTC	TCCACTAGTT	TTCTTCTCTT	800	
		810	820	830	840	850		
MOUSEPRO.DNA	801	TTACAAACAG	ATGAGAGACA	CACACAGAGA	ATCCATTTAA	AGAGCGGACC	850	
HUMANPRO.DNA	801	TTTCAAGTAG	ATGAAGCAAA	AGT-CAACTG	CAATAGTCAG	AAAGCTGTAC	850	
		860	870	880	890	900		

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MOUSEPRO.DNA	851	TTTGTTCGTA	TTAGGGGCAA	TTTAAAGTAC	TTAAGAGTTC	ACACAAAGTC	900
HUMANPRO.DNA	851	TTTGTTCACAC	TTAGAAACTT	CTAAAAGTGC	TTAAGATTTC	ACCTGAAAGT	900
		910	920	930	940	950	
MOUSEPRO.DNA	901	TAGCCTTCAA	AAAGAAAACA	GGTTCCCAAA	----CTA---	-GGGAGGAAA	950
HUMANPRO.DNA	901	CCAACAT-GA	AGAAAATACA	GGCTCCCCAA	TGCCCCATTTC	TAAGAAGAAA	950
		960	970	980	990	1000	
MOUSEPRO.DNA	951	CAGAATCATT	TCCATTTTGG	TGACATTTA-	GTGGGAAGAA	GCTCACAGAC	1000
HUMANPRO.DNA	951	AAGGACCATT	TTCATTTTGG	TAACGTTTCT	GTTCTATAGA	CAGTTTGGAT	1000
		1010	1020	1030	1040	1050	
MOUSEPRO.DNA	1001	ATTAGACGT	TCCAACCTCT	TCCCCACTAG	TG-----G	ACCAAGT-AT	1050
HUMANPRO.DNA	1001	AACTAGCTCT	TACTTTTTAT	CTTTAAAAAC	TGTTTTTCCA	GTGAAGTTAC	1050
		1060	1070	1080	1090	1100	
MOUSEPRO.DNA	1051	ATAATATGGT	ATCTTTTGGG	CACTGGTATT	ACAA-CTGTT	TTTTAAACAA	1100
HUMANPRO.DNA	1051	GTATAATTAT	TTACTTCAAG	CG-TAGTATA	CCAAATTACT	TTAGAAATGC	1100
		1110	1120	1130	1140	1150	
MOUSEPRO.DNA	1101	AAGACTTTCC	TTGTGCTTTA	CTAAAAAC-C	CA-GACGGTG	AATCTTGAAT	1150
HUMANPRO.DNA	1101	AAGACTTTTC	TTATACTTCA	TAAAATACAT	TATGAAAGTG	AATCTTG--T	1150
		1160	1170	1180	1190	1200	
MOUSEPRO.DNA	1151	ACAATGCGTG	GCACCCACGG	CAGGCATTCT	ATTGTGCATA	GTTTTGACTG	1200
HUMANPRO.DNA	1151	TGGCTGTGTA	CATTTGACTA	TAATAATTTT	AATGCATATT	ATTTCTATTG	1200
		1210	1220	1230	1240	1250	
MOUSEPRO.DNA	1201	ACAGGAGATG	ACAGCATTTG	GCTGGCTGCG	CTTGCTGAGG	ACCCTCTCCT	1250
HUMANPRO.DNA	1201	AGAGTAAGTT	ACAGTTTTTG	GCAAAGTGCG	TTTGATGAGG	GCTATCTCCT	1250
		1260	1270	1280	1290	1300	
MOUSEPRO.DNA	1251	CCTG-TGTG-	GCGTCTGAGA	CT-GTGATGC	AAATGCGCCC	GCCCTTTTCT	1300
HUMANPRO.DNA	1251	CTTCCTGTGC	GTTTCTAAAA	CTTGATGATGC	AAACGCTCCC	ACCCTTTTCT	1300
		1310	1320	1330	1340	1350	
MOUSEPRO.DNA	1301	GGGAACCTCAG	AACGCCTGAG	TCAGGCGGCG	GTGGCTATTA	AAGCG-----	1350
HUMANPRO.DNA	1301	GGGAACACAG	AAAGCCTGAC	TCAGGCCATG	GCCGCTATTA	AAGCAGCTCC	1350
		1360	1370	1380	1390	1400	
MOUSEPRO.DNA	1351	---CCTGGTC	AG-----GCT	GGGCT-GCCG	CACTGCAAGG	ATG.....	1400
HUMANPRO.DNA	1351	AGCCCTGCGC	ACTCCCTGCT	GGGTGAGCAG	CACTGTAAAG	ATG.....	1400

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FIGURE 9

10 20 30 40 50
 TAGGGTTGGAAGCCAGGTCTCCTGAGTATGCGAGAATAAATACAGTCATG
 60 70 80 90 100
 GAAGTGTAAGAGTCTGCCAACATTTTGAGAATGTGAATAGGATTTGGCT
 110 120 130 140 150
 AAAATTAAGGGGATATACAGAAAAGTCATAGGAAATCAGGTTAAAGACAT
 TCF1 PEA3
 160 170 180 190 200
 AAATATGAGATAGGCTACAGAGTGTTTTAAGTAATACAATAAAACATTTA
 GATA1 NF IL6
 210 220 230 240 250
 GATTTTTGCCCATGTCAGTCATTTTGAAATTATTTTAAAGCAAAAAAAC
 NF IL6
 260 270 280 290 300
 CCTTTTTAAACAAGAAATCTTATGAGATGTCAATATGCAAAACAAATTAA
 310 320 330 340 350
 AAGGAGGTGGTTTCTCTAACTGAAGCTGTTCTCTTTCTCCTGCCTTCAGCC
 TCF1
 360 370 380 390 400
 TCTGAAGAGAAAGTTAGAAAACCTATTATCATTAAATGCTACATGTTTTGAA
 NF_E1
 410 420 430 440 450
 CAAGCTGATATACCAAGTGGCCCAGAGAGCAGGTAGAAGAACCAGCGTGG
 bHLH
 460 470 480 490 500
 AGACAGAAAGCAAGAGGCCCGCCTGCCAGGGCTACCTGCAGAAAGAAAGG
 NF IL6
 510 520 530 540 550
 GCAAAGATGCTGTAGGCAAGAGAAGTTCAGGACAGACACTGGCATAGCTC
 TCF1
 560 570 580 590 600
 AAAGATTCACTTTGAGCAGCTGTGGAAGATGACAGTACAATTACCAAAA
 TCF1 bHLH bHLH
 E2A
 610 620 630 640 650
 TGTCGAAGGGCAAAGGAGGCAGCTACTGGTTTTGATGAAAGACAATTATG
 TCF1 NF IL6
 660 670 680 690 700
 TCCTTTTAAATGGGTCTTAGACATTTAGACATTTATATACACTATGCTAC
 710 720 730 740 750
 GGACAAAGGAATAGAAAGTAGCACTTTTTTCTCCACTAGTTTTCTTCTCT
 TCF1
 760 770 780 790 800
 TTTTCAAGTAGATGAAGCAAAAGTCAACTGCAATAGTCAGAAAGCTGTAC
 TCF1 bHLH

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FIGURE 9 CONT'D

810 820 830 840 850
 TTTGTTACACTTAGAACTTCTAAAAGTGCTTAAGATTTACCTGAAACG
 TCF1 bHLH
 860 870 880 890 900
 CCAACATGAAGAAAATACAGGCTCCCCAATGCCCCATTCTAAGAAGAAAA
 910 920 930 940 950
 AGGACCATTTTCATTTTAGTAACGTTTCTGTTCTATAGACAGTTTGGATA
 960 970 980 990 1000
 ACTAGCTCTTACTTTTATCTTTAAAACTGTTTTTCCAGTGAAGTTACG
 1010 1020 1030 1040 1050
 TATAATTATTTACTTCAAGCGTAGTATACCAAATTACTTTAGAAATGCAA
 NF IL6
 1060 1070 1080 1090 1100
 GACTTTTCTTATACTTCATAAAATACATTATGAAAGTGAATCTTGTGGC
 NF IL6
 1110 1120 1130 1140 1150
 TGTGTACATTTGACTATAATAATTTCAATGCATATTATTTCTATTGAGAG
 bHLH
 1160 1170 1180 1190 1200
 TAAGTTACAGTTTTTGGCAAAGTGCCTTTGATGAGGGCTATCTCCTCTTC
 1210 1220 1230 1240 1250
 CTGTGCGTTTTCTAAAAGTTGTGATGCAACGCTCCACCCCTTCTCTGGGA
 AABS
 1260 1270 1280 1290 1300
 ACACAGAAACGCTGACTCAGGCACGTGCCGCTATTAAAGCAGCTCCAGCC
 +1 AP 1 bHLH TATA box
 1310 1320 1330
 CTGCGCACTCCCTGCTGGGTGAGCAGCACTGTAAAGATG

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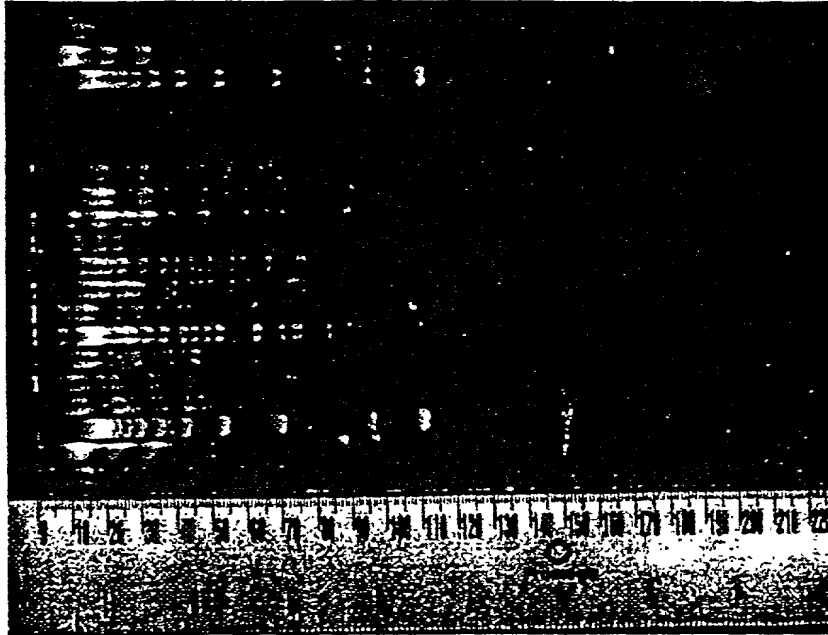


FIGURE 10B

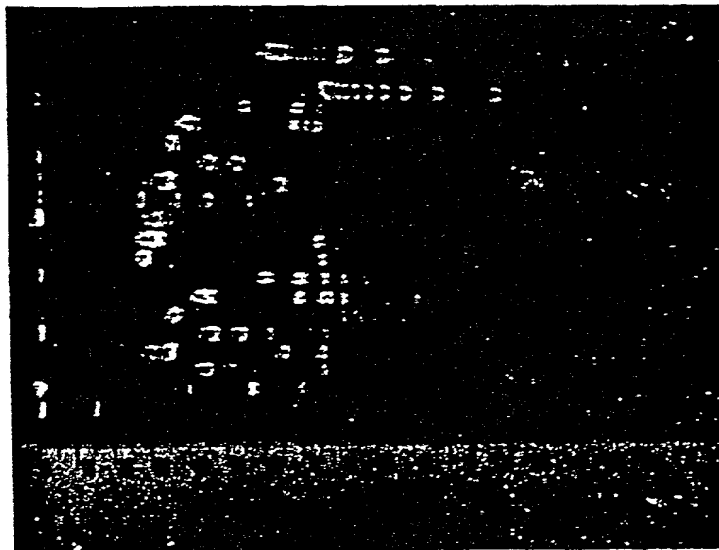
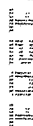


FIGURE 10A

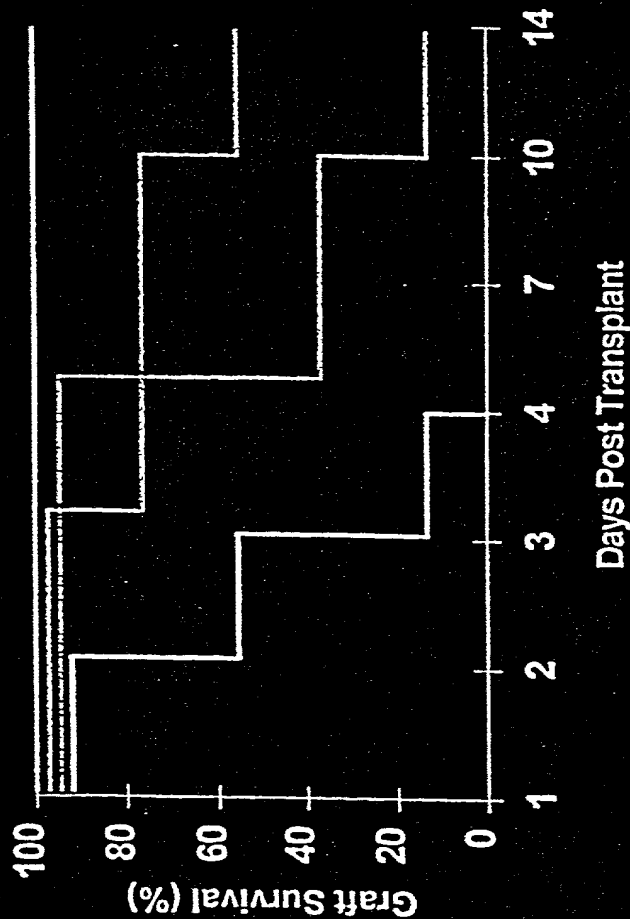
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113	113
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116	116
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118	118
119	119
120	120
121	121
122	122
123	123
124	124
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198	198
199	199
200	200



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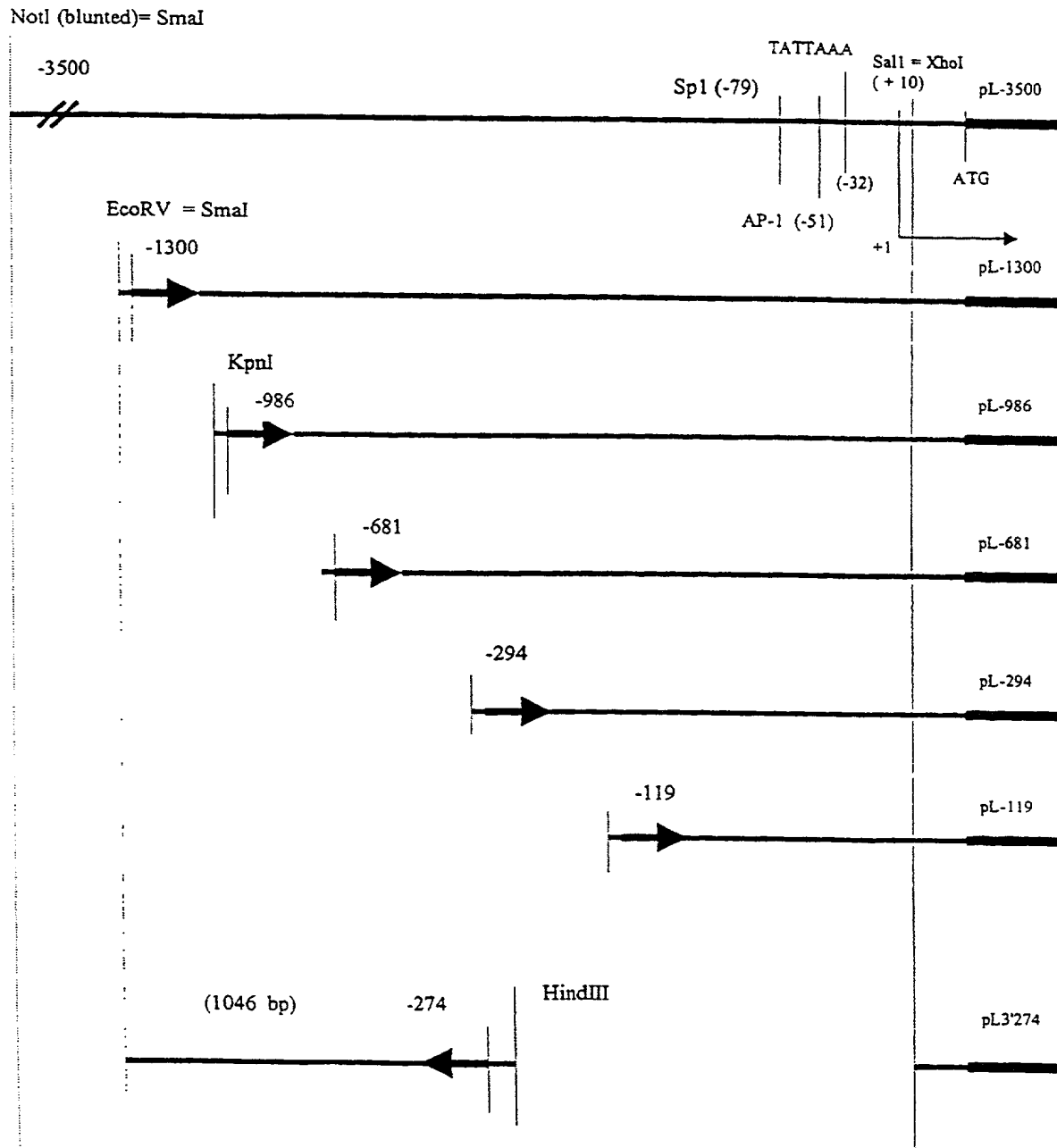
FIGURE 12

Prevention of CsA Graft Rejection by CsA Alone or in Combination with Antibodies to Immune Coagulants

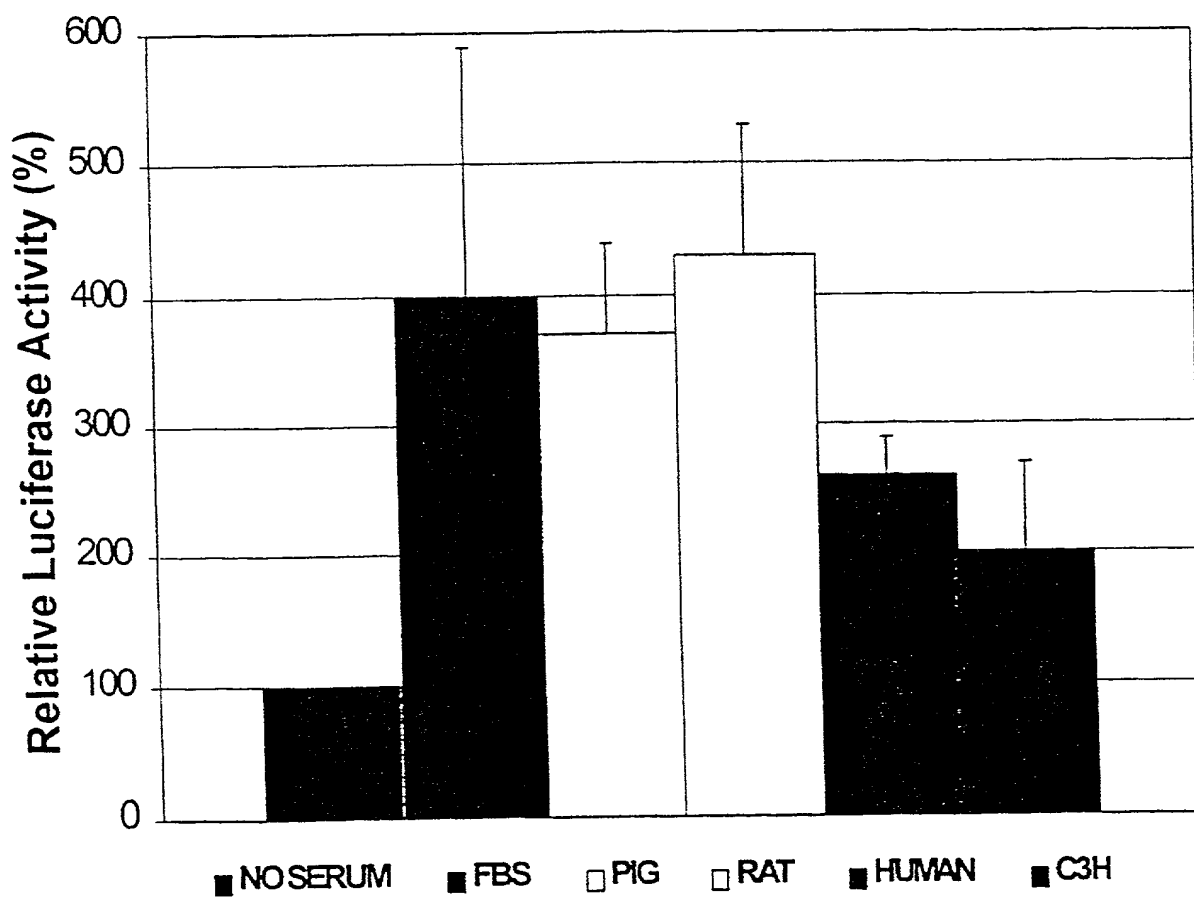


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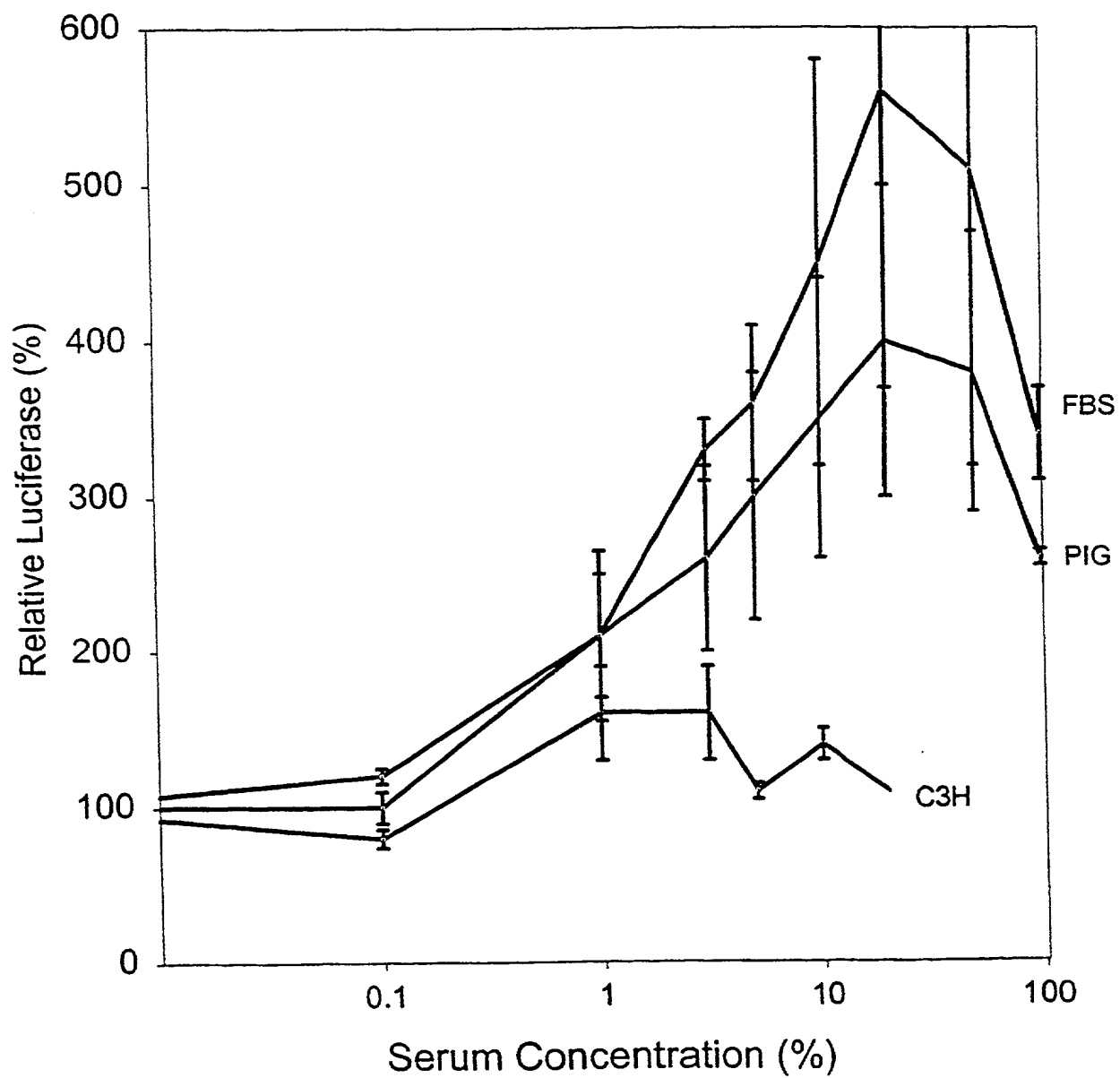
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FIGURE 13

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FIGURE 14

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FIGURE 15

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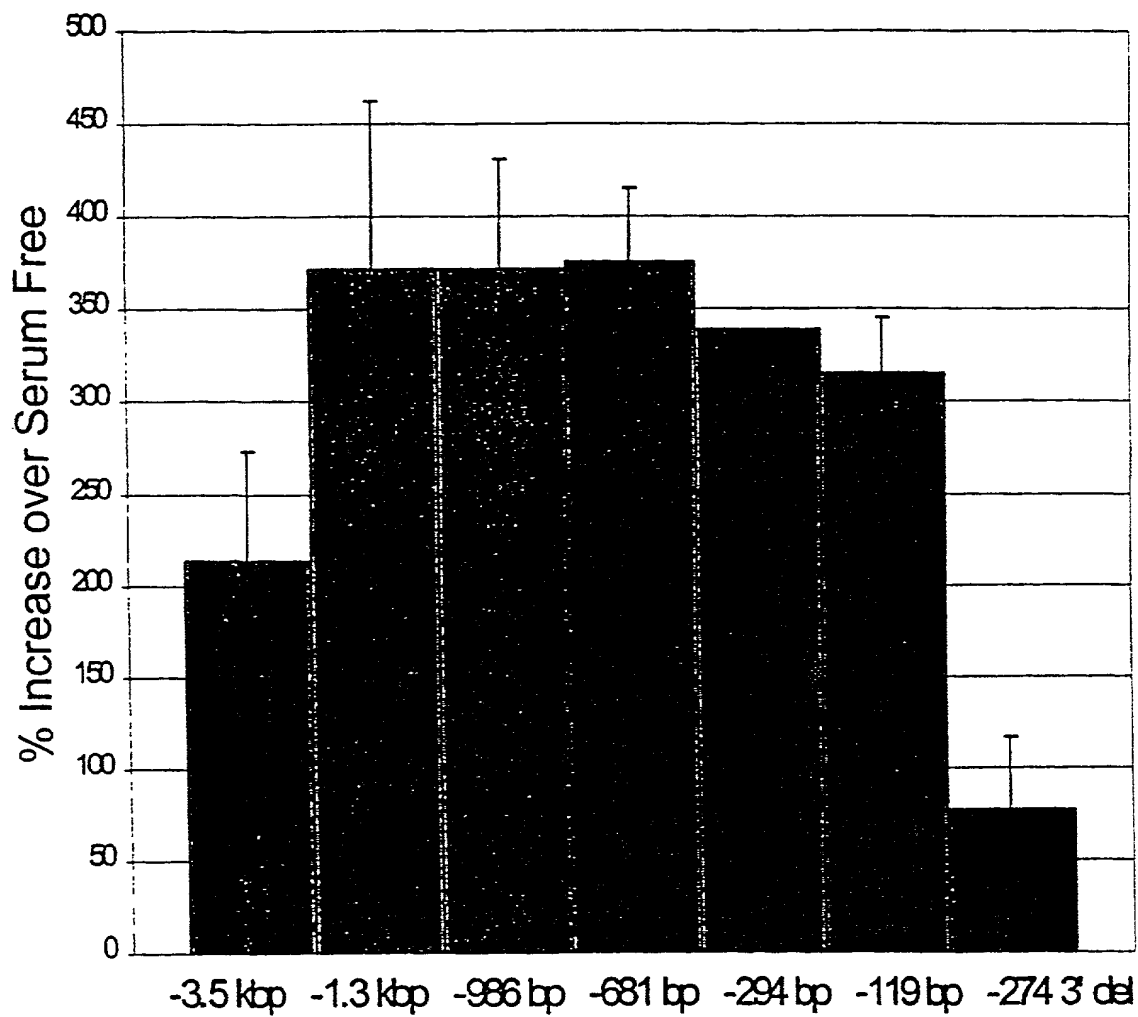
FIGURE 16

FIGURE 17

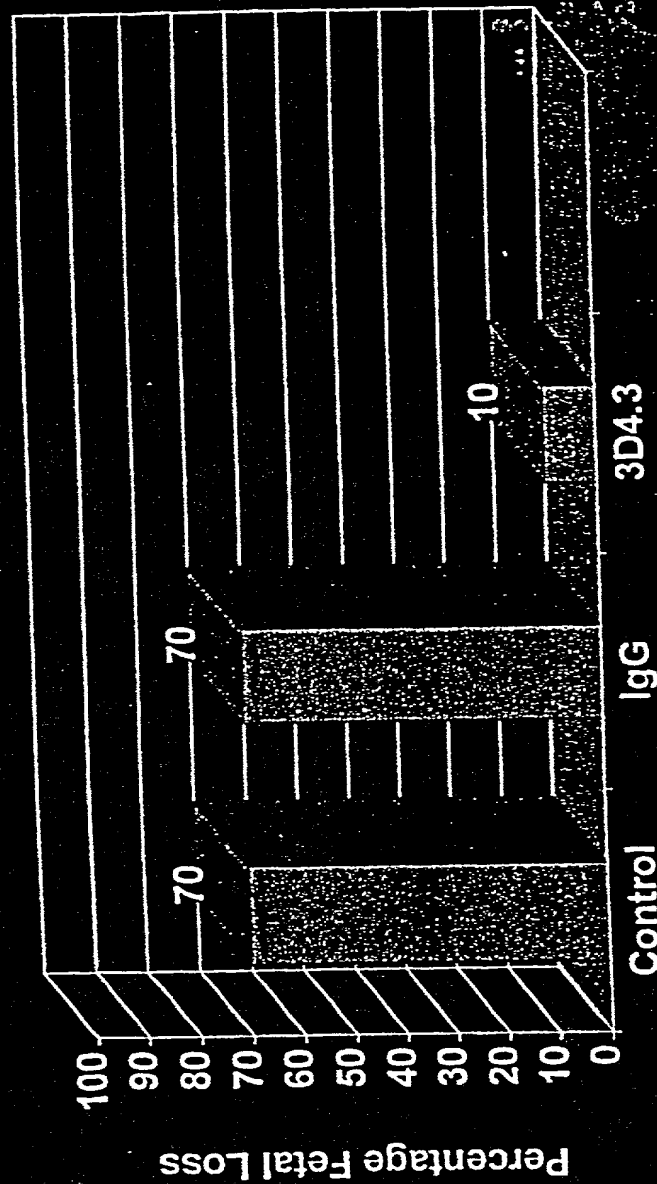
a) $\alpha = 0.05$		b) $\alpha = 0.01$		c) $\alpha = 0.001$	
Test	Power	Test	Power	Test	Power
1. χ^2	0.85	1. χ^2	0.95	1. χ^2	0.99
2. χ^2	0.85	2. χ^2	0.95	2. χ^2	0.99
3. χ^2	0.85	3. χ^2	0.95	3. χ^2	0.99
4. χ^2	0.85	4. χ^2	0.95	4. χ^2	0.99
5. χ^2	0.85	5. χ^2	0.95	5. χ^2	0.99
6. χ^2	0.85	6. χ^2	0.95	6. χ^2	0.99
7. χ^2	0.85	7. χ^2	0.95	7. χ^2	0.99
8. χ^2	0.85	8. χ^2	0.95	8. χ^2	0.99
9. χ^2	0.85	9. χ^2	0.95	9. χ^2	0.99
10. χ^2	0.85	10. χ^2	0.95	10. χ^2	0.99
11. χ^2	0.85	11. χ^2	0.95	11. χ^2	0.99
12. χ^2	0.85	12. χ^2	0.95	12. χ^2	0.99
13. χ^2	0.85	13. χ^2	0.95	13. χ^2	0.99
14. χ^2	0.85	14. χ^2	0.95	14. χ^2	0.99
15. χ^2	0.85	15. χ^2	0.95	15. χ^2	0.99
16. χ^2	0.85	16. χ^2	0.95	16. χ^2	0.99
17. χ^2	0.85	17. χ^2	0.95	17. χ^2	0.99
18. χ^2	0.85	18. χ^2	0.95	18. χ^2	0.99
19. χ^2	0.85	19. χ^2	0.95	19. χ^2	0.99
20. χ^2	0.85	20. χ^2	0.95	20. χ^2	0.99
21. χ^2	0.85	21. χ^2	0.95	21. χ^2	0.99
22. χ^2	0.85	22. χ^2	0.95	22. χ^2	0.99
23. χ^2	0.85	23. χ^2	0.95	23. χ^2	0.99
24. χ^2	0.85	24. χ^2	0.95	24. χ^2	0.99
25. χ^2	0.85	25. χ^2	0.95	25. χ^2	0.99
26. χ^2	0.85	26. χ^2	0.95	26. χ^2	0.99
27. χ^2	0.85	27. χ^2	0.95	27. χ^2	0.99
28. χ^2	0.85	28. χ^2	0.95	28. χ^2	0.99
29. χ^2	0.85	29. χ^2	0.95	29. χ^2	0.99
30. χ^2	0.85	30. χ^2	0.95	30. χ^2	0.99
31. χ^2	0.85	31. χ^2	0.95	31. χ^2	0.99
32. χ^2	0.85	32. χ^2	0.95	32. χ^2	0.99
33. χ^2	0.85	33. χ^2	0.95	33. χ^2	0.99
34. χ^2	0.85	34. χ^2	0.95	34. χ^2	0.99
35. χ^2	0.85	35. χ^2	0.95	35. χ^2	0.99
36. χ^2	0.85	36. χ^2	0.95	36. χ^2	0.99
37. χ^2	0.85	37. χ^2	0.95	37. χ^2	0.99
38. χ^2	0.85	38. χ^2	0.95	38. χ^2	0.99
39. χ^2	0.85	39. χ^2	0.95	39. χ^2	0.99
40. χ^2	0.85	40. χ^2	0.95	40. χ^2	0.99
41. χ^2	0.85	41. χ^2	0.95	41. χ^2	0.99
42. χ^2	0.85	42. χ^2	0.95	42. χ^2	0.99
43. χ^2	0.85	43. χ^2	0.95	43. χ^2	0.99
44. χ^2	0.85	44. χ^2	0.95	44. χ^2	0.99
45. χ^2	0.85	45. χ^2	0.95	45. χ^2	0.99
46. χ^2					

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FOOTNOTES

FIGURE 18

Prevention of Fetal Loss by Monoclonal Antibody 3D4.3

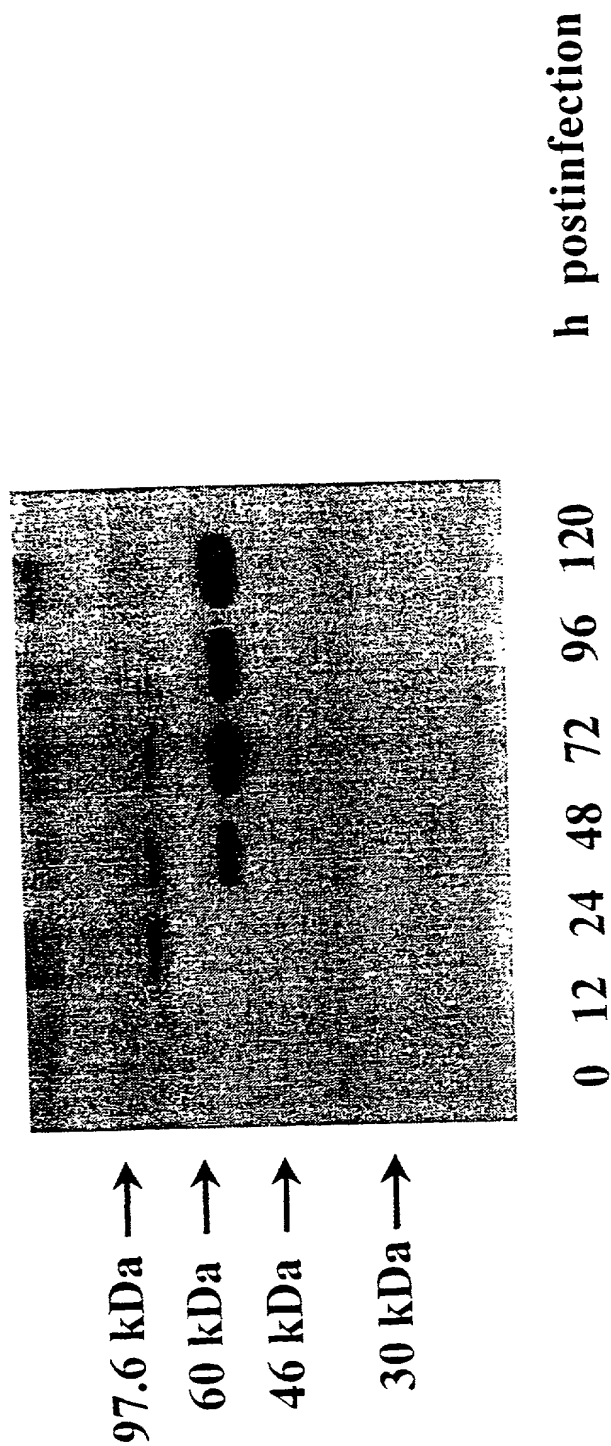


Antibody (10 μ g/day I.V. given for 14 days)

Xenotransplantation Canada

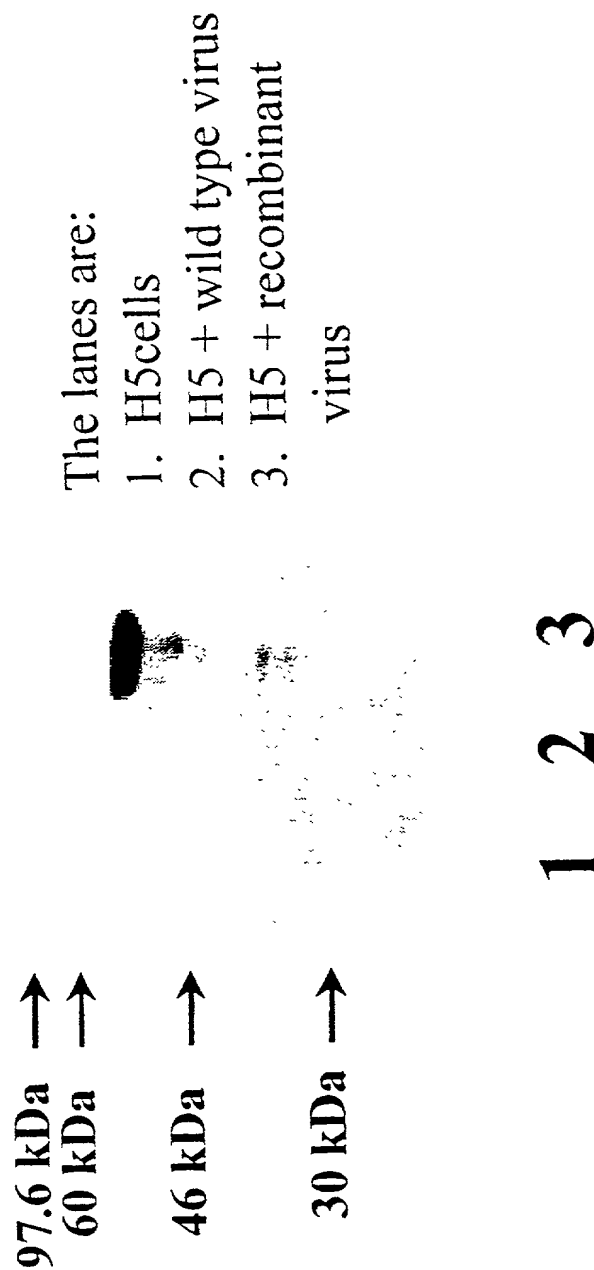
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FIGURE 19



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FIGURE 20



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FIGURE 21

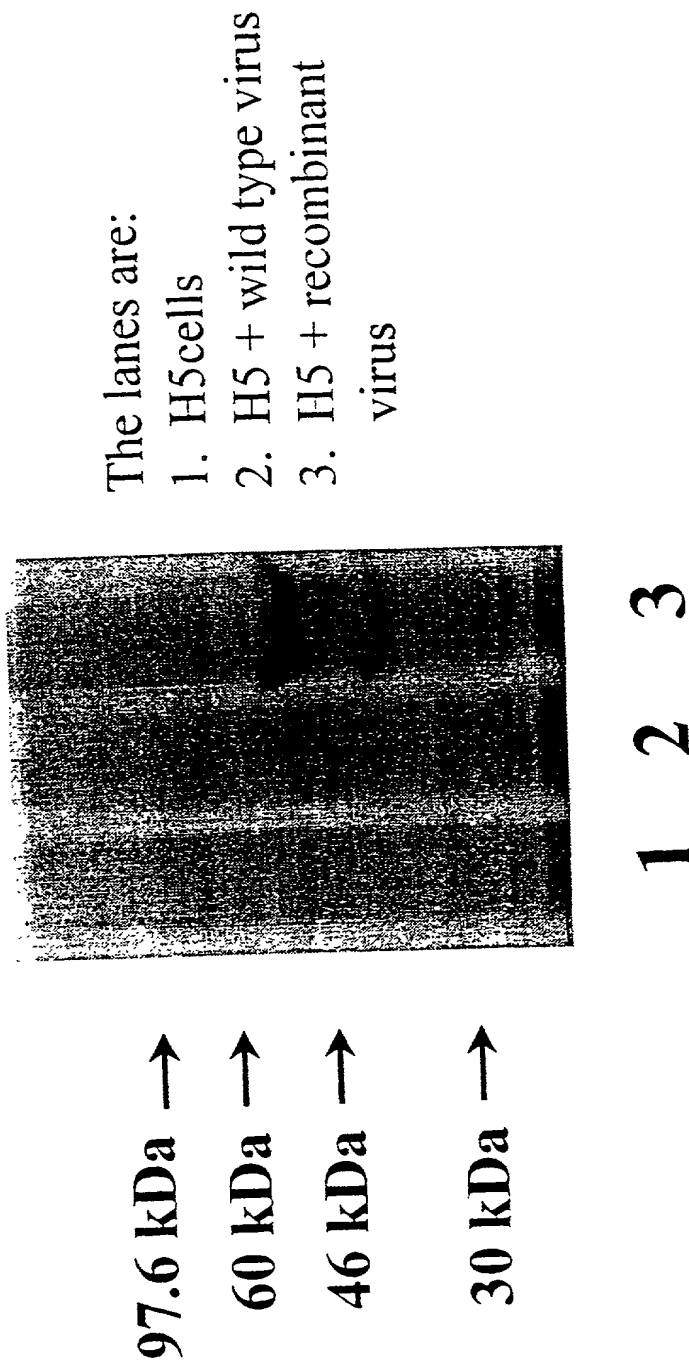


FIGURE 22

